

DATE	10 November 2022
TEAM ID	PNT2022TMID06858
PROJECT NAME	Real-Time Communication System powered by AI for Specially Abled

Apply ImageDataGenerator Functionality to Test and Train

The screenshot shows a Visual Studio Code editor window with a Jupyter Notebook titled 'imgpreprocessing.ipynb'. The notebook is open to a cell containing Python code for training and testing data using Keras' ImageDataGenerator. The code is as follows:

```
from keras.preprocessing.image import ImageDataGenerator
train_datagen = ImageDataGenerator(rescale = 1./255, shear_range=0.2, zoom_range=0.2, horizontal_flip=True)
test_datagen = ImageDataGenerator(rescale = 1./255)

x_train = train_datagen.flow_from_directory('Dataset/training_set', target_size=(64,64), batch_size = 300,
                                           class_mode = 'categorical', color_mode = 'grayscale')

x_test = test_datagen.flow_from_directory('Dataset/test_set', target_size=(64,64), batch_size=300,
                                         class_mode='categorical', color_mode = 'grayscale')
```

The interface includes a sidebar with icons for Explorer, Search, Source Control, and Run and Debug. The bottom status bar shows 'Jupyter Server: Local', 'Ln 3, Col 52', 'CRLF', 'Cell 4 of 4', 'Go Live', 'Prettier', and the date '16-11-2022'.